

# Electronic Filing System (EFS) Data

## Electronic Patent Application Submission

### USPTO Use Only

EFS ID:	19321
Application ID:	10065552
Title of Invention:	WAFER INCLUDING AN In-CONTAINING-COMPOUND SEMICONDUCTOR SURFACE LAYER, AND METHOD FOR PROFILING ITS CARRIER CONCENTRATION
First Named Inventor:	Shigeru Sawada
Domestic/Foreign Application:	Domestic Application
Filing Date:	null
Effective Receipt Date:	2002-10-29
Submission Type:	Utility Patent Filing
Filing Type:	new-utility
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Attorney Docket Number:	39.002-AG
Digital Certificate Holder:	cn=James Judge, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce; o=U.S. Government, c=US
Certificate Message Digest:	yPhzrvzHRwPrhV4v1OOaSw==
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Credit Card Number:	*****7147
Expiration Date:	10312003
Card Holder Name:	JAMES JUDGE
RAM User ID:	EFSPROD
RAM Accounting Date:	2002-10-29
RAM Sequence Number:	554967
RAM Payment Status:	RAM success



# TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

39.002-  
AG

## **WAFER INCLUDING AN In- CONTAINING-COMPOUND SEMICONDUCTOR SURFACE LAYER, AND METHOD FOR PROFILING ITS CARRIER CONCENTRATION**

First Named Inventor: Mr. Shigeru Sawada

### SUBMITTED BY

Name:	James Judge
Registration Number:	42,701
Electronic Signature Mark:	Date Signed: 20021030
<jj>UDGE	

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

**Attached Files:**

declaration  
declaration  
declaration  
specification  
bibd-transmittal  
patent-assignments  
fee-transmittal

Declaration1.tif  
Declaration2.tif  
Declaration3.tif  
SM001spec.xml  
SM001apds.xml  
SM001asgn.xml  
SM001fee.xml

**Attached Image File(s):**

Declaration1.tif  
Declaration2.tif  
Declaration3.tif

Comments:

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, mailing address and citizenship are stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if one name is listed below) or an original, first and inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

WAFER INCLUDING AN In-CONTAINING-COMPOUND  
SEMICONDUCTOR SURFACE LAYER, AND METHOD FOR  
PROFILING ITS CARRIER CONCENTRATION

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りではない：

the specification of which is attached hereto unless the following box is checked:

☐ \_\_\_\_\_ の日に出願され、  
この出願の米国出願番号またはPCT国際出願番号は、  
\_\_\_\_\_ であり、且つ  
\_\_\_\_\_ の日に補正された出願（該当する場合）

☐ was filed on  
as United States Application Number  
or PCT International Application Number  
\_\_\_\_\_ and was amended on  
\_\_\_\_\_ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.



## Japanese Language Declaration (日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一国を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)-(d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日よりも前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Section 119(a)-(d) or 365(b) of any foreign application(s) for patent, inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, the foreign application for patent or inventor's certificate, or International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)  
外国での先行出願

Priority Not Claimed  
優先権主張

340527/2001 (Number) (番号)	JAPAN (Country) (国名)	06 / 11 / 2001 (Day/Month/Year Filed) (出願日 / 月 / 年)	<input type="checkbox"/>
_____ (Number) (番号)	_____ (Country) (国名)	_____ (Day/Month/Year Filed) (出願日 / 月 / 年)	<input type="checkbox"/>
_____ (Number) (番号)	_____ (Country) (国名)	_____ (Day/Month/Year Filed) (出願日 / 月 / 年)	<input type="checkbox"/>

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.) (出願番号)	(Filing Date) (出願日)	(Application No.) (出願番号)	(Filing Date) (出願日)
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私は、ここに、下記のいかなる米国出願についても、その米国法典第35編120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、連邦規則法典第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any International application designating the United States, listed below insofar as the subject matter of each of the claims of this application is disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the date of the prior application and the national or PCT International date of application.

(Application No.) (出願番号)	(Filing Date) (出願日)	(Status: Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)
(Application No.) (出願番号)	(Filing Date) (出願日)	(Status: Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、かつ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずる。

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements made with the knowledge that willful false statements and the same made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful

**Japanese Language Declaration**  
**(日本語宣言書)**

委任状： 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の登録番号の代理人を任命する。

代理人の登録番号：

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint:

**Practitioner(s) at Customer Number:**

**29453**



29453

**PATENT & TRADEMARK OFFICE**

to prosecute this application and transact all business in the  
Patent and Trademark Office connected therewith.

唯一または第一発明者氏名		Full name of sole or first inventor	
		Shigeru SAWADA	
発明者の署名	日付	Inventor's signature	Date
		Shigeru Sawada	Oct. 16, 2002
住所		Residence	
		Itami-shi, Hyogo, Japan	
国籍		Citizenship	
		Japanese	
郵便の宛先		Mailing Address	
		c/o Itami Works of Sumitomo Electric Industries, Ltd. of 1 Koyakita 1-chome, Itami-shi, Hyogo, Japan	
第二共同発明者がいる場合、その氏名		Full name of second joint inventor, if any	
		Takashi IWASAKI	
第二共同発明者の署名	日付	Second inventor's signature	Date
		Takashi Iwasaki	Oct. 16, 2002
住所		Residence	
		Itami-shi, Hyogo, Japan	
国籍		Citizenship	
		Japanese	
郵便の宛先		Mailing Address	
		c/o Itami Works of Sumitomo Electric Industries, Ltd. of 1 Koyakita 1-chome, Itami-shi, Hyogo, Japan	
第三共同発明者がいる場合、その氏名		Full name of third joint inventor, if any	
第三共同発明者の署名	日付	Third inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Mailing Address	

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 780**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 7147  
 Expiration Date: 20031031  
 Authorized Name: JAMES JUDGE  
 Billing Address: 99999

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 13	1202	\$ 18	0	\$ 0
Independent Claims: 3	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40



Postal Code: 99999